United States Patent [19]

Zimmerman et al.

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[54] **DOOR ASSEMBLY**

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[52] **U.S. Cl.** **49/383,** 16/111, 49/366, 49/388

[51] **Int. Cl.** **E05d 11/00**

[58] **Field of Search** 49/383, 384, 366, 388; 16/111, 124

[56] **References Cited**

UNITED STATES PATENTS

2,184,259	12/1939	Seaman	49/383
2,771,627	11/1956	Hammer	16/124
3,119,474	1/1964	Grossman	49/503 X

FOREIGN PATENTS OR APPLICATIONS

709,085	5/1931	France	49/384

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[57] **ABSTRACT**

An improved center-hung pivot door assembly comprises a door pivotally mounted within a door frame having a narrow jamb projection member attached to the pivot jamb of the door frame along substantially the entire length thereof and projecting outwardly from said pivot jamb into the door frame opening, an arcuate-shaped pivot stile mounted in closely spaced relation with said jamb projection, and resilient weather seal means attached either to said pivot stile or jamb projection and spanning the space between said pivot jamb and said pivot stile at least when the door is in a closed position. Preferably the surface of said jamb projection facing the pivot stile has a generally concave shape concentric with the arcuate-shaped pivot stile. The space between said projection and the pivot stile is always less than the thickness of human fingers, and the projection is sufficiently narrow so that such close spacing does not prevent mounting the door in or dismounting it from the pivot means while the projection remains attached to the pivot jamb.

4 Claims, 11 Drawing Figures